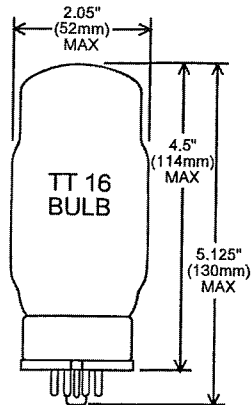


TUNG-SOL
PENTODE

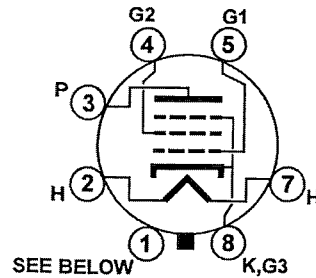


GLASS BULB
LARGE WAFER OCTAL
WITH BARRIERS
7 PIN LOW LOSS B7-99

FOR
AUDIO SERVICE APPLICATIONS

OXIDE COATED INDIRECTLY HEATED
UNIPOTENTIAL CATHODE

ANY MOUNTING POSITION



SEE BELOW
BOTTOM VIEW
BASING DIAGRAM
JEDEC 7AC
PIN 1 - NO CONNECTION
OR BASE SHELL

THE KT120 IS A BEAM PENTODE POWER AMPLIFIER PRIMARILY DESIGNED FOR AUDIO SERVICE. IT CARRIES A 60 WATT PLATE DISSIPATION RATING WHICH PROVIDES FOR PUSH-PULL AMPLIFIER DESIGNS UP TO 200 WATTS OUTPUT. CONSTRUCTION FEATURES PROVIDE FOR RELIABLE OPERATION AT FULL RATINGS.

DIRECT INTERELECTRODE CAPACITANCES
WITHOUT SHIELD

GRID 1 TO PLATE	1.8	pf
INPUT	29	pf
OUTPUT	10	pf

HEATER CHARACTERISTICS AND RATINGS
DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	6.3 VOLTS	1.7 - 1.95	AMP
HEATER SUPPLY LIMITS VOLTAGE OPERATION		6.3 +/- 0.6	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE HEATER NEGATIVE WITH RESPECT TO CATHODE TOTAL DC AND PEAK		300	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE TOTAL DC AND PEAK		200	VOLTS

CONTINUED ON FOLLOWING PAGE

→ INDICATES A CHANGE

KT120

TUNG-SOL

CONTINUED FROM PREVIOUS PAGE

MAXIMUM RATINGS

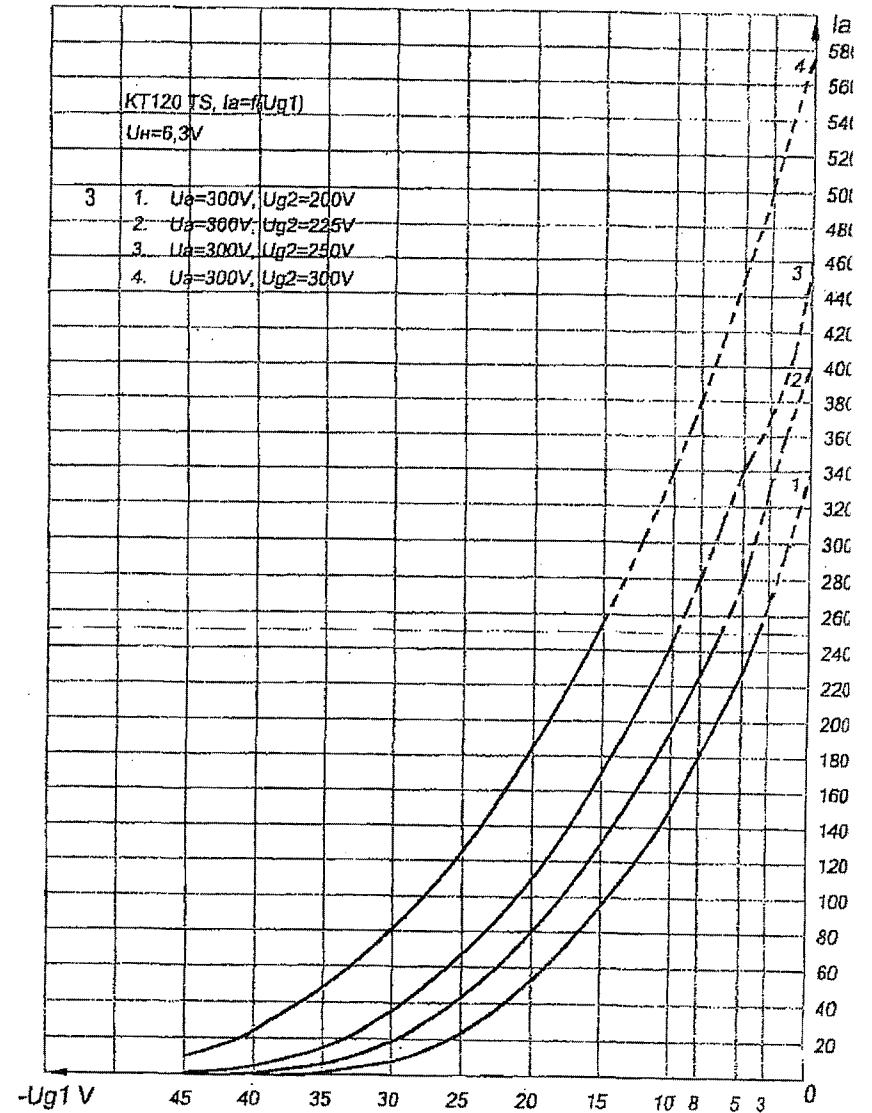
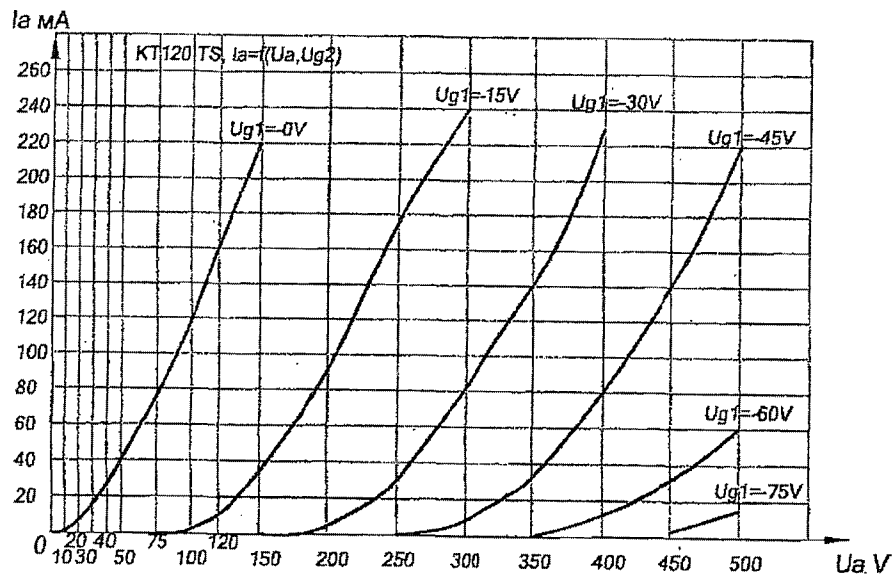
DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

PLATE VOLTAGE, DC		
TETRODE	850	VOLTS
TRIODE	650	VOLTS
GRID 2 VOLTAGE, DC		
PENTODE CONNECTION	650	VOLTS
TRIODE & ULTRALINEAR CONNECTION	600	VOLTS
GRID 1 VOLTAGE, DC	-200	VOLTS
PLATE DISSIPATION	60	WATTS
GRID 2 DISSIPATION	8.0	WATTS
CATHODE CURRENT		
PENTODE CONNECTION	250	MA
TRIODE & ULTRALINEAR CONNECTION	230	MA
GRID 1 CIRCUIT RESISTANCE		
FIXED BIAS	51,000	OHMS
SELF BIAS	240,000	OHMS
BULB TEMPERATURE	250	CELSIUS

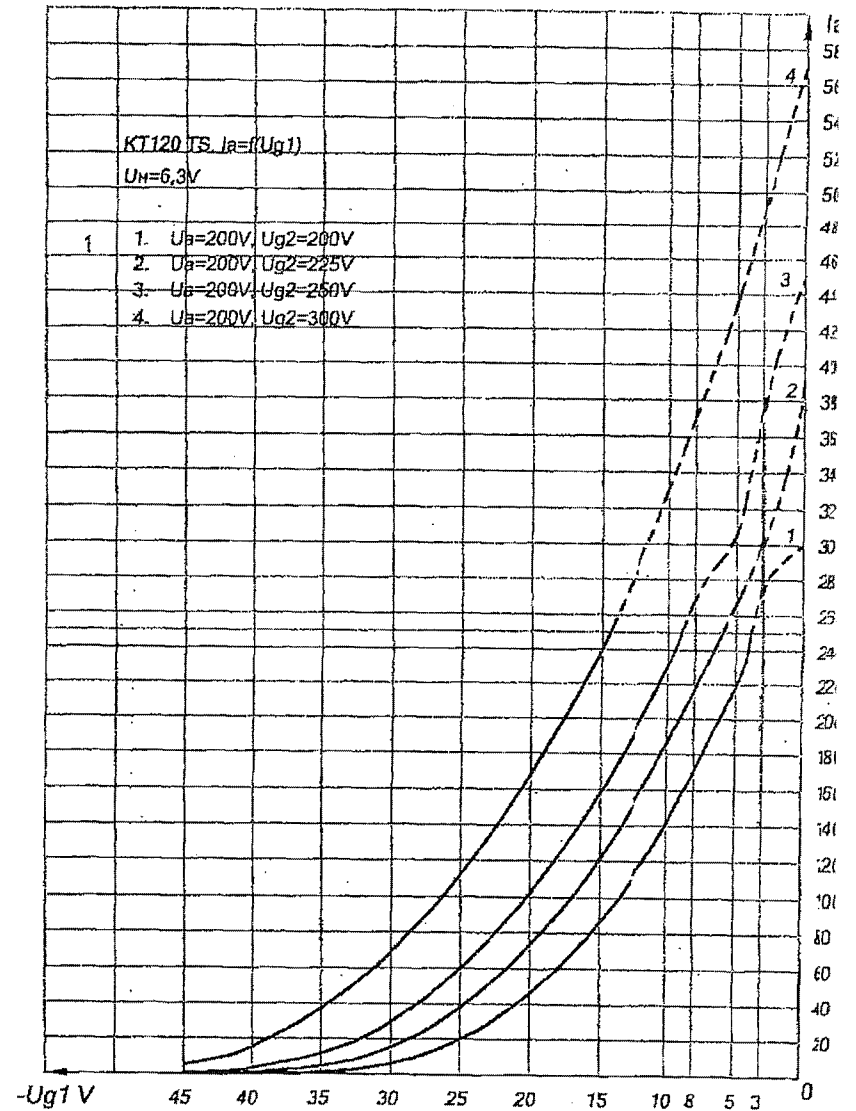
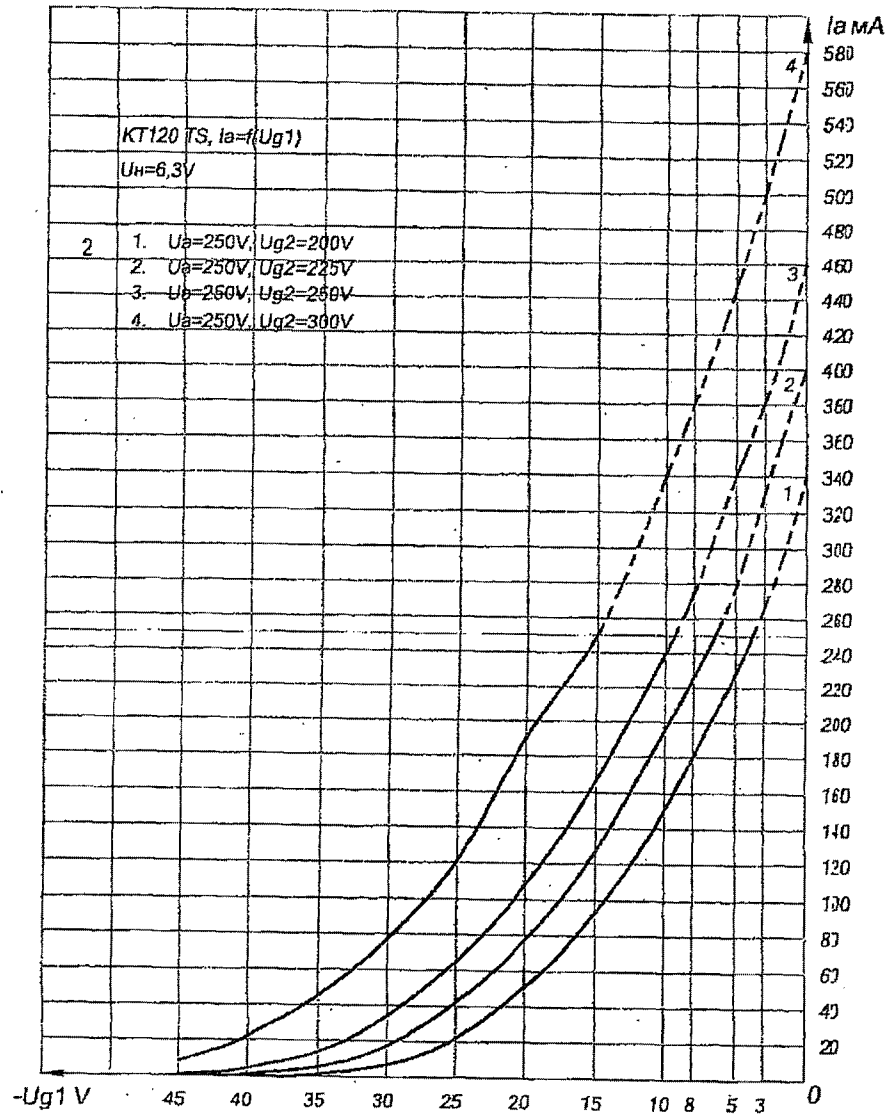
AVERAGE CHARACTERISTICS

CLASS A1 AUDIO AMPLIFIER - SINGLE TUBE

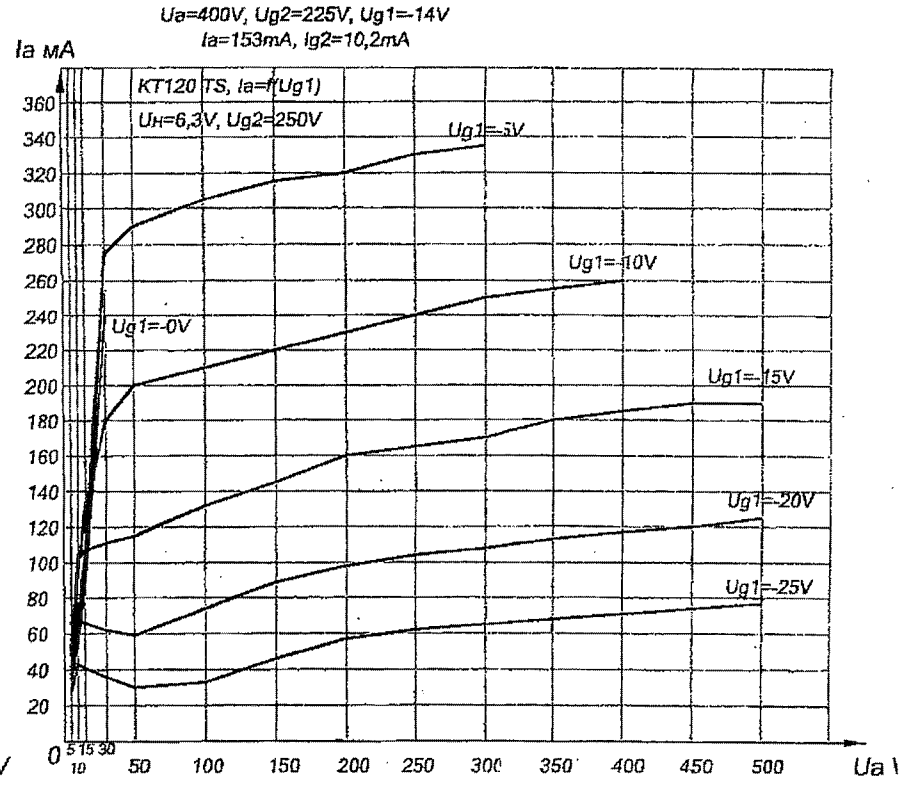
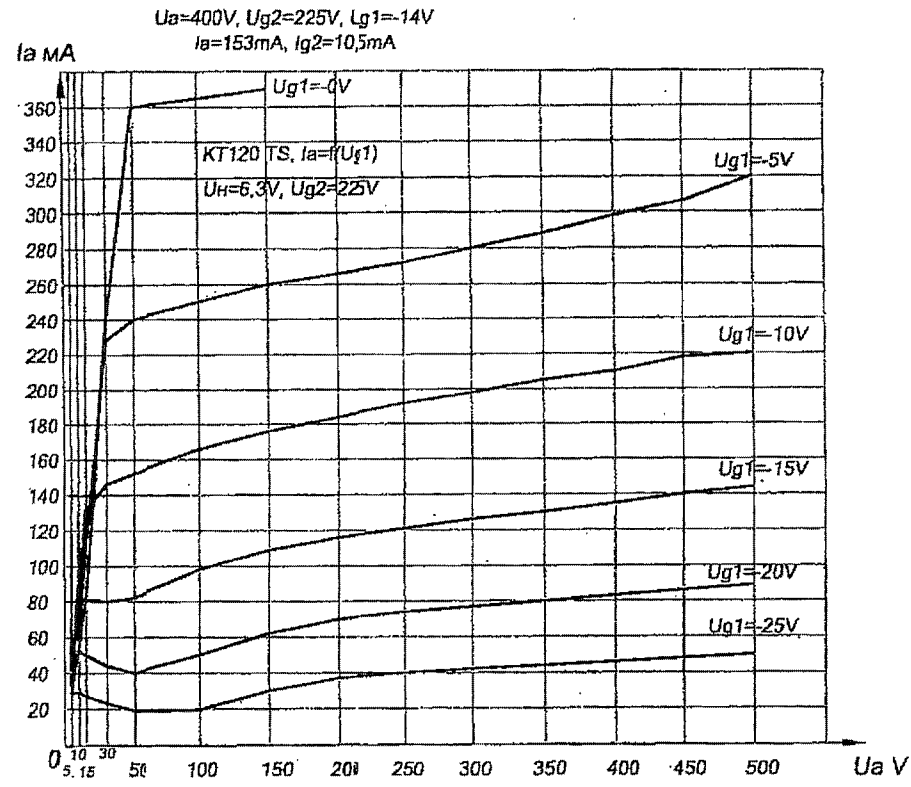
PLATE VOLTAGE	400	VOLTS
GRID 2 VOLTAGE	225	VOLTS
GRID 1 VOLTAGE	-14	VOLTS
PLATE CURRENT (RANGE)	135 - 165	MA
GRID 2 CURRENT (NOT MORE THAN)	14	MA
TRANSCONDUCTANCE (NOT LESS THAN)	12.5	mA/V
PLATE RESISTANCE (APROX.)	3000	OHMS
MAX. SIGNAL POWER OUTPUT (NOT LESS THAN)	20	WATTS
TOTAL HARMONIC DISTORION (NOT MORE THAN)	14	PERCENT
CATHODE TO HEATER LEAKAGE (NOT MORE THAN)		
(WITH $\pm 300V$ HEATER TO CATHODE DIFFERENCE)	30	μA



26.01.2010



SP - 16.01.2010z.



Лоп - 26.01.2010г